

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An antitheft device for a vehicle which is propelled by a driving force of an engine,
said device comprising:
an operation-equipment limiting part disposed at a vehicle for limiting the operation of operation equipment for said vehicle through external operation;
a first switch adapted to be turned on from the outside to send a first prescribed ID code;
an operation-equipment operation determining part that receives said first ID code to generate permission information for releasing a limited state of said operation equipment caused by said operation-equipment limiting part;
a nonvolatile memory for storing said permission information; and
an engine operation limiting part that permits the operation of said engine in response to said permission information, and limits the operation of said engine based on an operating state of said engine;
wherein said operation-equipment operation determining part stores in advance a second ID code corresponding to said first ID code, collates said first ID code with said second ID code, and generates said permission information thereby to permit the operation of said operation equipment as well as to make said permission information stored in said nonvolatile memory,

when the collation result of said first and second ID codes indicates coincidence therebetween,
and

said operation-equipment operation determining part permits the operation of said engine
by using said permission information in said nonvolatile memory, when said engine is restarted
in a predetermined time after generation of said permission information, and

wherein said permission information is deleted when use of said vehicle is stopped.

2. (currently amended): An antitheft device for a vehicle which is propelled by a
driving force of an engine,

said device comprising:

an operation-equipment limiting part for limiting the operation of operation equipment
for said vehicle through external operation;

a first switch adapted to be turned on from the outside to send a first prescribed ID code;

an operation-equipment operation determining part that receives said first ID code to
generate permission information for releasing a limited state of said operation equipment caused
by said operation-equipment limiting part;

a nonvolatile memory for storing said permission information; and

an engine operation limiting part that permits the operation of said engine in response to
said permission information, and limits the operation of said engine based on an operating state
of said engine;

wherein said operation-equipment operation determining part stores in advance a second ID code corresponding to said first ID code, collates said first ID code with said second ID code, and generates said permission information thereby to permit the operation of said operation equipment as well as to make said permission information stored in said nonvolatile memory, when the collation result of said first and second ID codes indicates coincidence therebetween,

and said antitheft device further comprising a second switch adapted to be turned on from the outside to send a third prescribed ID code;

wherein said operation-equipment operation determining part stores in advance a fourth ID code corresponding to said third ID code, collates said third ID code with said fourth ID code, generates limitation information for limiting the operations of said engine and said operation equipment and deletes the permission information in said nonvolatile memory, when the collation result of said the third and fourth ID codes indicates coincidence therebetween, and

said operation-equipment operation determining part permits the operation of said engine by using said permission information in said nonvolatile memory, when said engine is restarted in a predetermined time after generation of said permission information,

wherein said permission information is deleted when use of said vehicle is stopped; and

wherein said engine operation limiting part limits the operation of said engine in response to said limitation information.

3. (original): The antitheft device for a vehicle as set forth in claim 2, wherein said operation-equipment limiting part comprises an electromagnetic locking device.

4. (original): The antitheft device for a vehicle as set forth in claim 2, wherein said first and second switches generate instruction information corresponding to a plurality of functions to said operation-equipment operation determining part.

5. (original): The antitheft device for a vehicle as set forth in claim 2, wherein said first and second switches are arranged inside a portable transmitter isolated from said operation-equipment operation determining part.

6. (original): The antitheft device for a vehicle as set forth in claim 1, wherein said first switch includes a key and a key cylinder for said vehicle; and said first ID code is sent by said key's being inserted into said key cylinder.

7. (original): The antitheft device for a vehicle as set forth in claim 1, further comprising:
a vibration sensor for detecting the generation of vibration to generate a detection signal;
and
a warning generating part for generating a warning in response to the detection signal generated by said vibration sensor;

wherein in case where the operation of said engine is placed in a limited state by said engine operation limiting part, said warning generating part generates said warning when said vibration sensor detects vibration.

8. (original): The antitheft device for a vehicle as set forth in claim 1, wherein said engine operation limiting part limits the operation of said engine by interrupting an ignition signal or a fuel supply signal for said engine.

9. (original): The antitheft device for a vehicle as set forth in claim 1, wherein said engine operation limiting part limits the operation of said engine when the state of said engine shifts from an operating state into a stopped state.

10. (previously presented): The antitheft device for a vehicle as set forth in claim 1, wherein said engine operation limiting part limits the operation of said engine when the state of said engine does not shift to an operating state even if said predetermined time has elapsed after generation of said permission information.

11. (previously presented): The antitheft device for a vehicle as set forth in claim 1, wherein said operation-equipment limiting part is not portable.